

WARNING
This plan may require structural and other changes to meet local site conditions, climatic loads, user requirements and applicable building regulations (such as the Canadian Farm Building Code). Before construction, the user of this plan is responsible to ensure that all required changes are made.

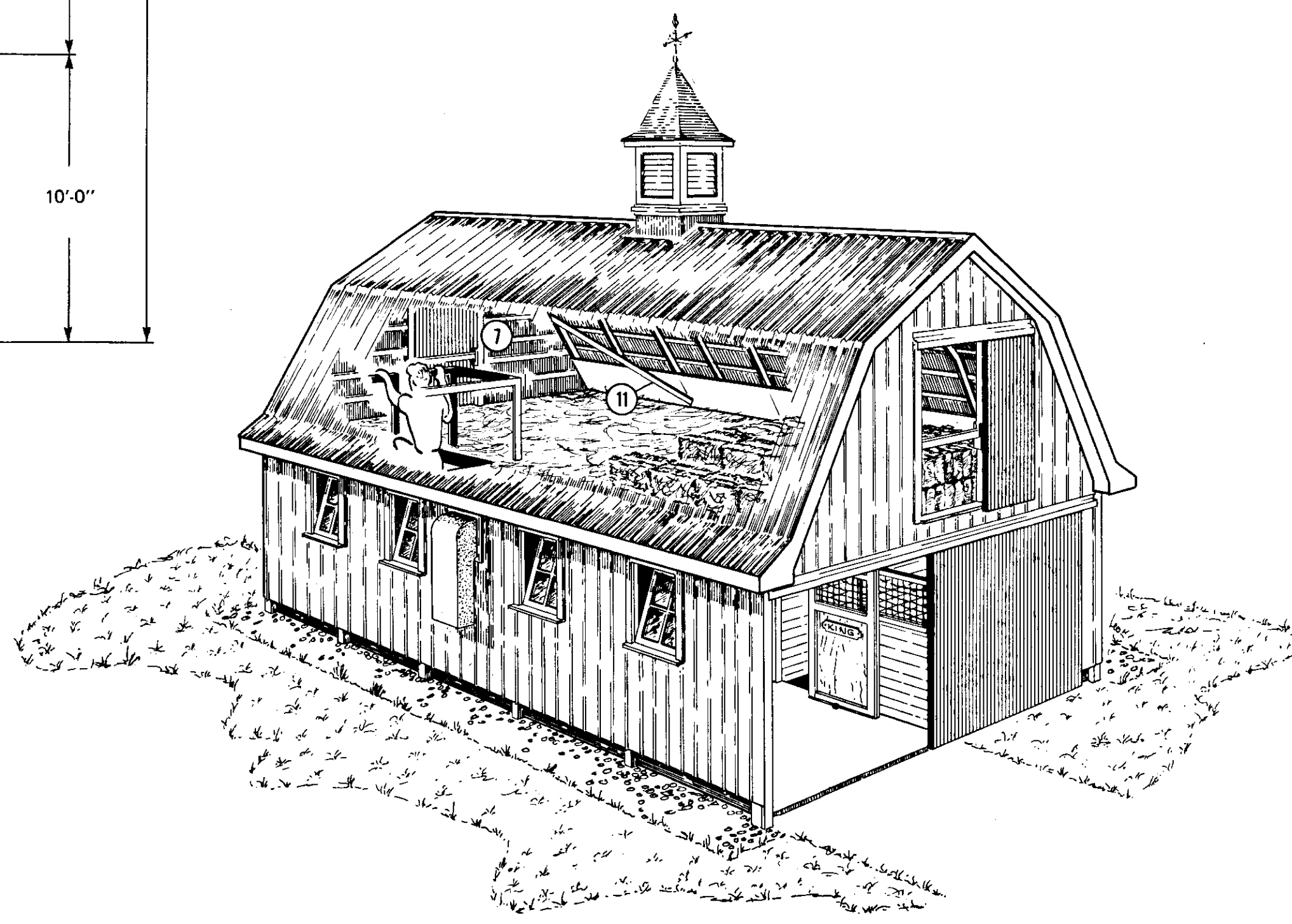
- ELECTRICAL**
- | | | |
|--------------------|--------------------|--------------------------------------|
| ceiling | wall | |
| (L) | (L) | Incandescent Lampholder |
| (L _{wp}) | (L _{wp}) | Weatherproof Incandescent Lampholder |
| (F) | (F) | Flourescent Fixture (draw to scale) |
| (F) | (F) | Duplex Convenience Outlet |
| (F) | (F) | Fan Outlet |
| (T) | | Thermostat |
| (S) | | Single Pole Switch |
| (H) | | Fan Forced Heater |
| (H) | | Baseboard Unit Heater |
| (DP) | | Distribution Panel |

- 1 tack room/office (concrete floor), optional viewing window with guard grill
- 2 box stall, clay floor (alternate: plank, asphalt or concrete); hay manger, mineral bowl, 2 eye bolts with bail for water/grain buckets
- 3 work area & feed room (concrete floor)
- 4 exhaust fans: 1 - 2 speed 150/230 cfm (Canarm S8-B2 or equal) 1 - 2 speed 640/1470 cfm (Canarm S12-E2 or equal) see plan 9701 for fans, thermostats and heater interlock
- 5 2'-0" x 8'-0" and 4'-0" x 8'-0" insulated doors; 2" x 8" jamb, side jambs butt-soaked in penetrating wood preservative and extended through concrete floor to prevent frost heave
- 6 12'-0" x 9'-4" insulated sliding door, (see plan 9341)
- 7 4'-0" x 7'-8" sliding door with 2" x 6" removable guard rail (both ends of hay loft)
- 8 hose bib; use frost-proof hydrant if there is a risk of freezing
- 9 ladder and 3'-0" x 3'-10" insulated trap door to loft; ladder & guard rail extends to 3'-0" above loft floor; double floor joists beside opening
- 10 window guard of 4" x 4" x 4/4 welded wire mesh or 1/2" dia. rebars @ 4" oc, notched into window frame & covered with casing
- 11 2" x 6" x 10'-0" diagonal wind bracing, four corners of loft

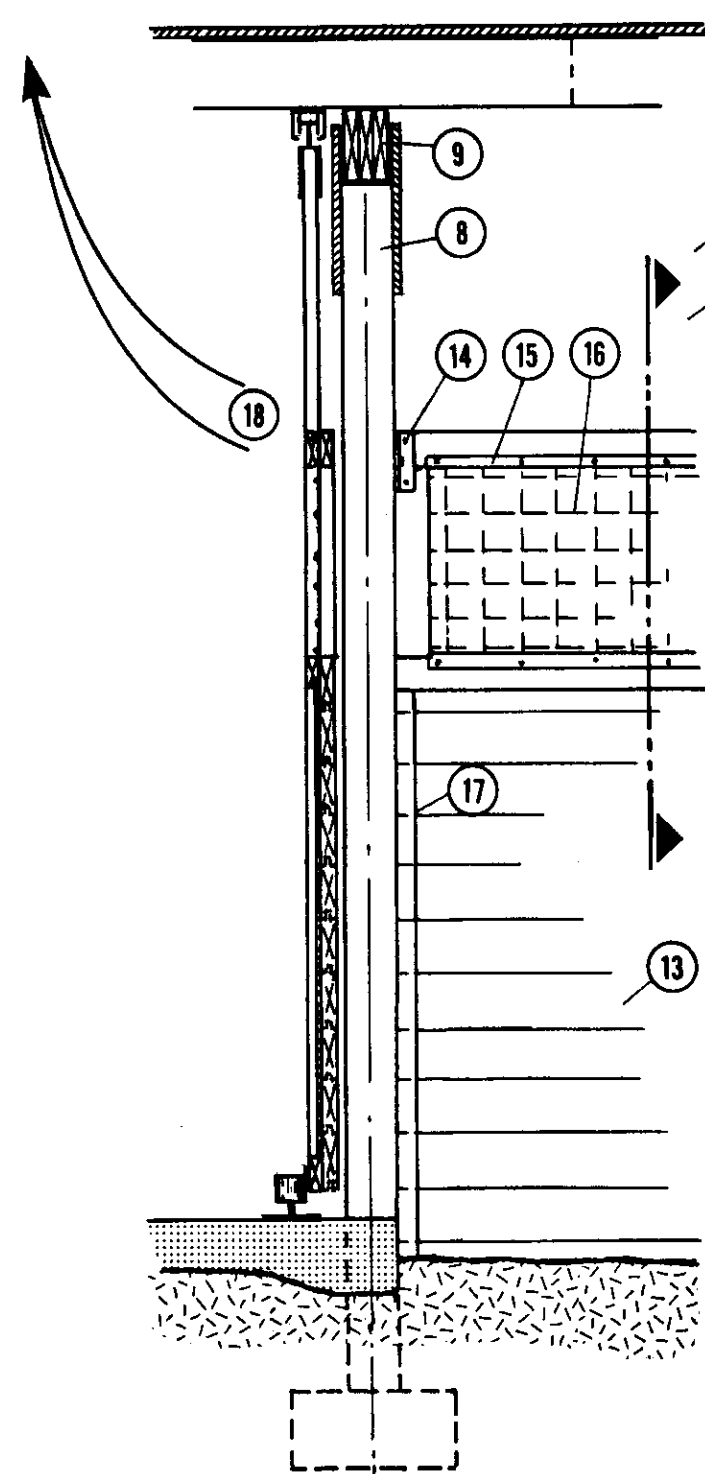
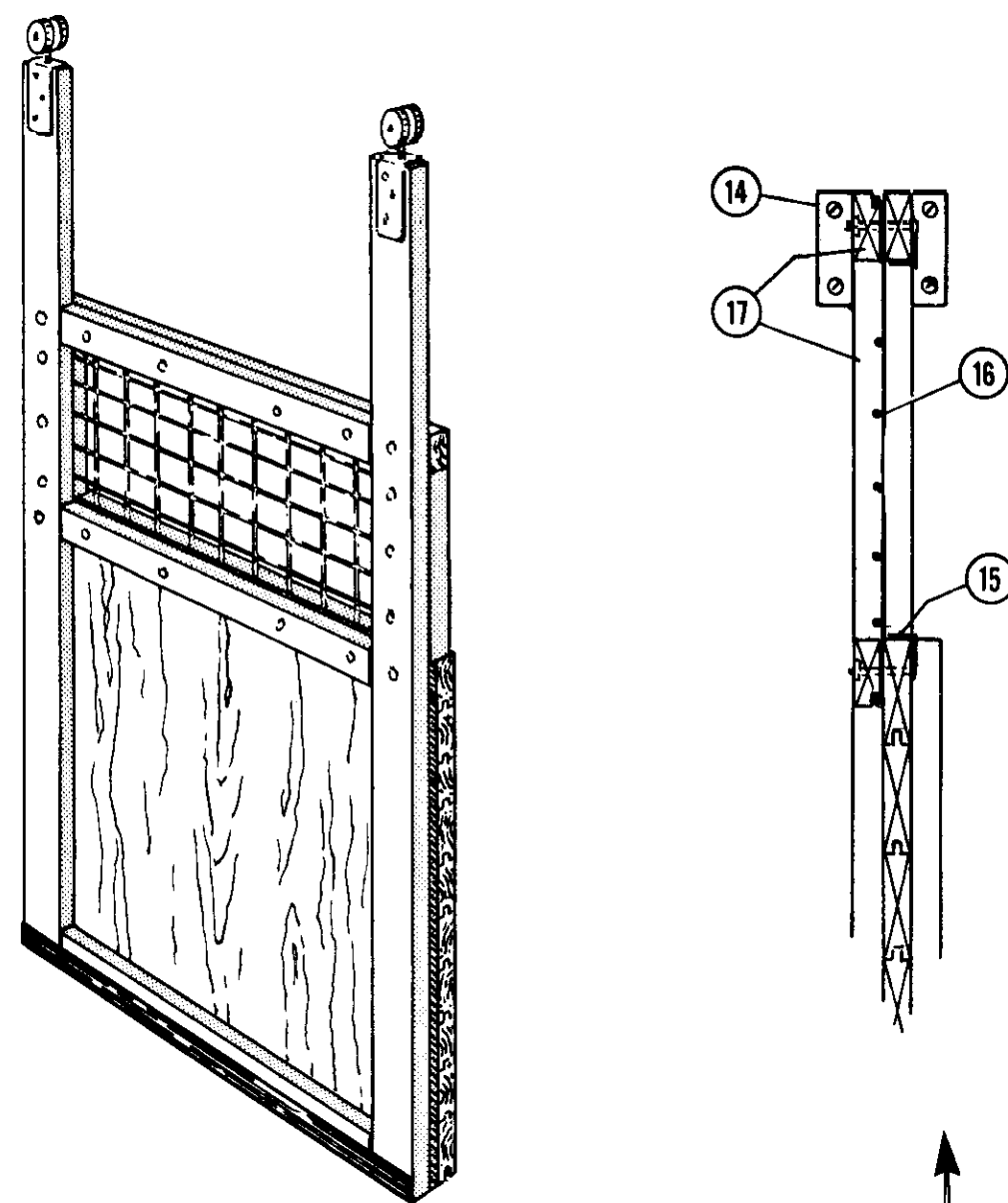
SPECIFICATIONS
Unless otherwise specified, all cast-in-place concrete is to be min. 4,000 psi, @ 28 days, 6% air entrainment
All exposed steel to be galvanized or painted to resist corrosion from moisture & manure gases
All wood indicated 'pressure-treated' is CCA pressure-treated to a net retention of 0.4 lb/ft³ (ground contact specification, CSA-080 Wood Preservation)
All framing lumber is No. 2 (or better), S-P-F species group, unless otherwise specified
This plan conforms to the requirements of the Canadian Farm Building Code. The user of this plan must ensure that the design criteria indicated herein will meet all local design conditions, building regulations and special requirements.

ONE SET OF DRAWINGS AND LEAFLETS SHOULD INCLUDE:

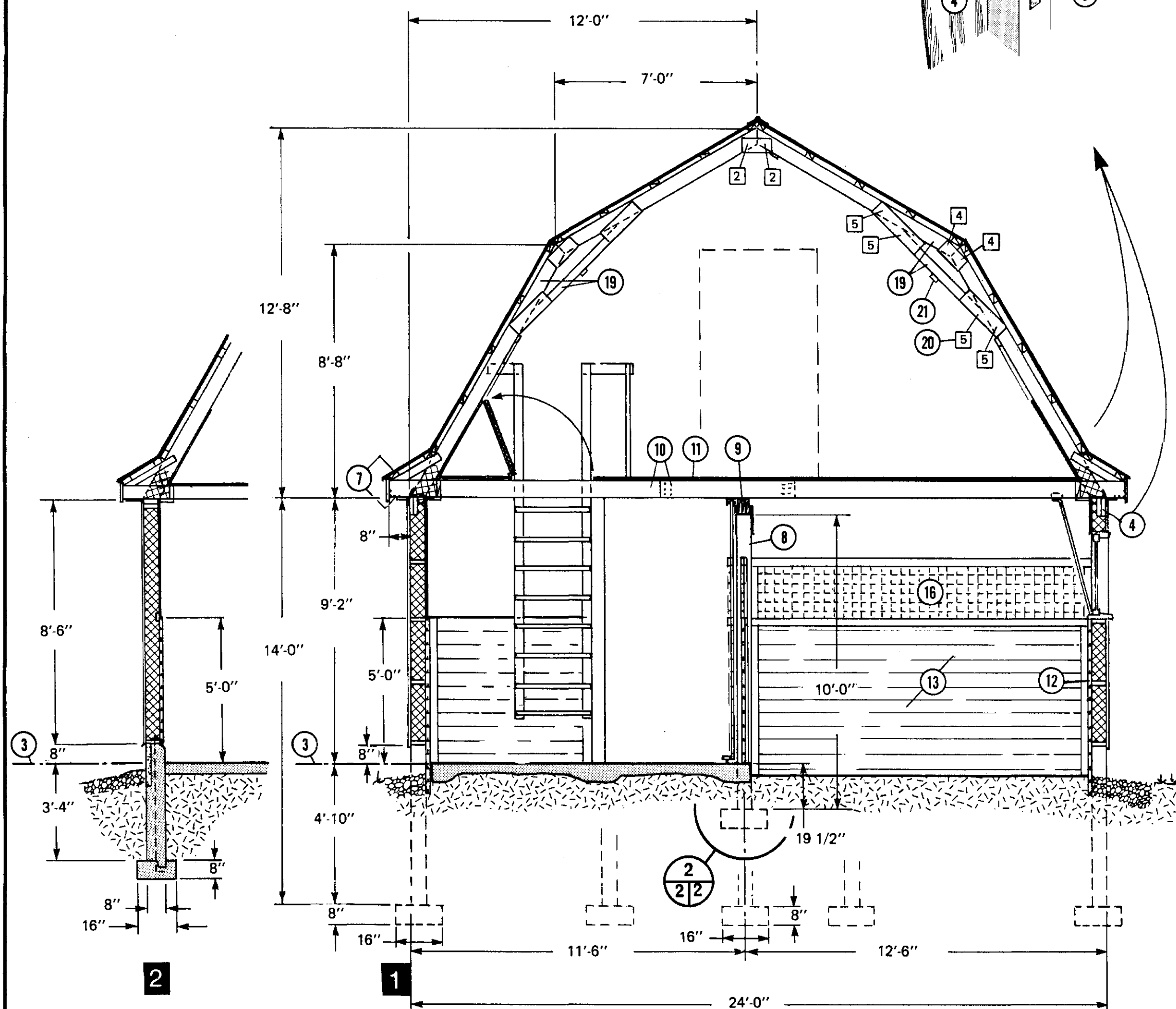
CPS no.	sheet no.	Title
8203	-1-	Two Story Horse Barn
8203	-2-	Cross Section & Details
9341	AND	Sliding Doors



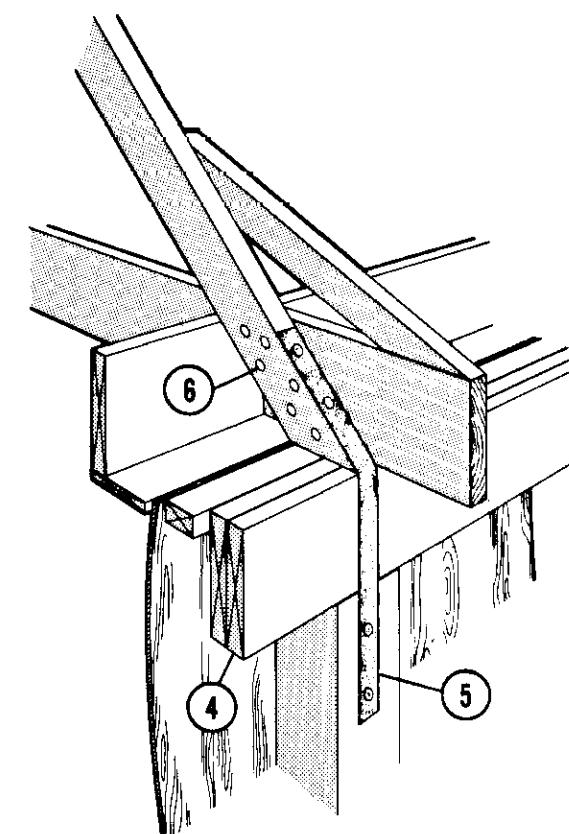
SYM	REVISIONS	CHECKED	DATE	APPROVED
TWO STORY HORSE BARN				
(NOT TO SCALE)				
DESIGNED JET	DATE DEC 75	PI AN		
DRAWN LEO BLAIS	REVISED 84/10	8203		
TRACED	DETAIL NUMBER A	ORIGINATES ON SHEET B		
CHECKED J.A.M.	DETAIL NUMBER B/C	DRAWN ON SHEET C		
SHEET 1 OF				









2
2/2



1
1/2



- 1 pole frame wall option; 6" x 6" pressure-treated poles (see sheet 1 for spacing)
- 2 stud frame wall option
- 3 datum line
- 4 plate beam notched into poles, joints staggered at poles; 2 - 2" x 10" x 16" safe to 30 psf ground snow + 8'-0" baled hay; 2 - 2" x 12" x 16'-0" safe to 60 psf ground snow + hay
- 5 framing anchor from 20 ga. x 2" galv. steel strap, one each rafter to wall; center punch holes for 4" spiral nails
- 6 six 4" spiral nails, clinched
- 7 galv. steel over 2" x 4" roof purlins @ 2'-0" oc, 2" x 4" lookout & 1" faceboard, 2" vent slot with bird screen
- 8 6" x 6" pressure-treated interior poles on concrete footing (see sheet 1 for spacing)
- 9 center beam; laminated from 3 - 2" x 10", all joints staggered, safe for 8'-0" depth of baled hay
- 10 1 - 2" x 10" x 14'-0" and 1 - 2" x 10" x 16'-0" lapped floor joists @ 2'-0" oc; 6 - 4" spiral nails (clinched) at each end of 4'-6" lap joint, safe to 8'-0" depth of baled hay in loft
- 11 5/8" T & G plywood flooring and wall sheathing, insulate floor with hay or straw
- 12 2" x 6" T&G splash planking (4 bottom planks pressure treated); stagger joints 8'-0" oc on poles; rabbet top plank 3/8" for plywood & nail through into girts
- 13 2" x 6" T&G splash planking stall dividers, 3 bottom planks CCA pressure treated
- 14 1/8" x 1 1/2" x 1 1/2" x 6" long steel angle fastened with lag bolts to wall & poles
- 15 1 1/4" x 1 1/4" x 18 ga. galv. steel angle fastened to exposed edges to prevent horses chewing
- 16 4" x 4" x 4/4 welded wire mesh or 1/2" steel rod @ 4" oc
- 17 2" x 2" and 2" x 4" framing both sides of dividers 13, 5" spiral nails to 8 & walls
- 18 stall door with door lock from 2" x 6" verticals, 2" T&G planking, 3/8" select sheathing plywood, 4" x 4" x 4/4 welded wire; thru-bolted with 3/8" carriage bolts (nuts and washers recessed)
- 19 braced rafter; 2" x 6" x 8'-0" upper rafter, 2" x 6" x 10'-0" lower rafter with 2" x 4" x 6'-0" brace, 1/2" sheathing fir plywood gussets nailed to front and back of rafters: space @ 4'-0" oc, for 30 psf gnd. snow load space @ 2'-0" oc, for 60 psf gnd. snow load
- 20 [5] denotes number of 2 1/2" concrete nails from each side of each member, typical all gusset joints
- 21 1" x 3" continuous stiffener

SYM		REVISIONS		CHECKED	DATE	APPROVED
				CROSS SECTION AND DETAILS		
				(NOT TO SCALE)		
DESIGNED <i>JET</i>		DATE DEC 75		PLAN		
DRAWN LEO BLAIS		REVISED 84/10		8203 		
TRACED				DETAIL NUMBER..... 		
CHECKED <i>JAM.</i>				ORIGINATES ON SHEET..... 		
				DRAWN ON SHEET..... 		
				SHEET 2 OF		